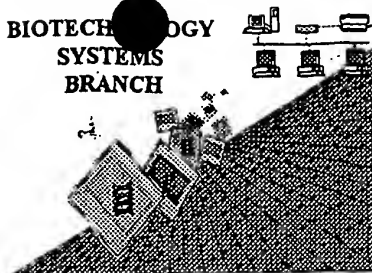


BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/856,819

Source: P4/09

Date Processed by STIC: 6/18/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,819

DATE: 06/18/2001

TIME: 16:21:20

Input Set : A:\5559.ST25.txt

Output Set: N:\CRF3\06182001\I856819.raw

Does Not Comply
Corrected Diskette Needed

nr 1-5

3 <110> APPLICANT: Bojsen, Kirsten
 4 Svendsen, Allan
 5 Fuglsang, Claus
 6 Patkar, Shamkant
 7 Borch, Kim
 8 Vind, Jesper
 9 Petri, Andreas
 10 Glad, Sanne
 11 Budolfson, Gitte
 13 <120> TITLE OF INVENTION: Lipolytic Enzyme Variants
 15 <130> FILE REFERENCE: 5559.204-US
 17 <140> CURRENT APPLICATION NUMBER: US/09/856,819
 18 <141> CURRENT FILING DATE: 2001-05-24
 20 <150> PRIOR APPLICATION NUMBER: PCT/DK99/00664
 21 <151> PRIOR FILING DATE: 1999-12-29
 23 <160> NUMBER OF SEQ ID NOS: 14
 25 <170> SOFTWARE: PatentIn version 3.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 24
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Artificial
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Primer
 35 <400> SEQUENCE: 1
 36 tcaagaatag ttcaacaag aaga 24
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 24
 41 <212> TYPE: DNA
 42 <213> ORGANISM: Artificial
 44 <220> FEATURE:
 45 <223> OTHER INFORMATION: Primer
 47 <400> SEQUENCE: 2
 48 ggttgtctaa ctcccttcctt ttcg 24
 51 <210> SEQ ID NO: 3
 52 <211> LENGTH: 19
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Artificial
 56 <220> FEATURE:
 57 <223> OTHER INFORMATION: Primer
 59 <400> SEQUENCE: 3
 60 tgtcccygmw ctccckckc 19
 63 <210> SEQ ID NO: 4
 64 <211> LENGTH: 27
 65 <212> TYPE: DNA
 66 <213> ORGANISM: Artificial
 68 <220> FEATURE:
 69 <223> OTHER INFORMATION: Primer

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,819

DATE: 06/18/2001

TIME: 16:21:20

Input Set : A:\5559.ST25.txt

Output Set: N:\CRF3\06182001\I856819.raw

71 <400> SEQUENCE: 4
 72 gaagtamyry agrtgmgcag sratatc 27
 75 <210> SEQ ID NO: 5
 76 <211> LENGTH: 27
 77 <212> TYPE: DNA
 78 <213> ORGANISM: Artificial
 80 <220> FEATURE:
 81 <223> OTHER INFORMATION: Primer
 83 <400> SEQUENCE: 5
 84 gatatysctg ckcaycctryr ktacttc 27
 87 <210> SEQ ID NO: 6
 88 <211> LENGTH: 23
 89 <212> TYPE: DNA
 90 <213> ORGANISM: Artificial
 92 <220> FEATURE:
 93 <223> OTHER INFORMATION: Primer
 95 <400> SEQUENCE: 6
 96 cggaatgtta ggctggttat tgc 23
 99 <210> SEQ ID NO: 7
 100 <211> LENGTH: 20
 101 <212> TYPE: DNA
 102 <213> ORGANISM: Artificial
 104 <220> FEATURE:
 105 <223> OTHER INFORMATION: Primer
 107 <400> SEQUENCE: 7
 108 cttttcgggt agagcggatg 20
 111 <210> SEQ ID NO: 8
 112 <211> LENGTH: 120
 113 <212> TYPE: DNA
 114 <213> ORGANISM: Artificial
 116 <220> FEATURE:
 117 <223> OTHER INFORMATION: Primer
 119 <220> FEATURE:
 120 <221> NAME/KEY: misc_feature
 121 <223> OTHER INFORMATION: 1: A 90, C 10
 124 <220> FEATURE:
 125 <221> NAME/KEY: misc_feature
 126 <223> OTHER INFORMATION: 7: G 48, A 2, T 2, C 48
 129 <220> FEATURE:
 130 <221> NAME/KEY: misc_feature
 131 <223> OTHER INFORMATION: 8: A 92, T 8
 134 <220> FEATURE:
 135 <221> NAME/KEY: misc_feature
 136 <223> OTHER INFORMATION: 9: A 97, T 3
 139 <220> FEATURE:
 140 <221> NAME/KEY: misc_feature
 141 <223> OTHER INFORMATION: 10: G 1, A 1, T 1, C 97
 144 <220> FEATURE:
 145 <221> NAME/KEY: misc_feature

Per 1.823 of Sequence Rules,
insert <222> and response

<222> 58

whenever

"n" or "Xaa" is
shown. <222>
is the numeric
identifier for
location. Please
edit
all
sequences.

FWI! "n" can only
represent a
single nucleotide

Does this mean that "n"
represents "A" 90% of instances
and "C" 10% of instances?

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,819

DATE: 06/18/2001

TIME: 16:21:20

Input Set : A:\5559.ST25.txt

Output Set: N:\CRF3\06182001\I856819.raw

146 <223> OTHER INFORMATION: 11: G 1, A 97, T 1, C 1
149 <220> FEATURE:
150 <221> NAME/KEY: misc_feature
151 <223> OTHER INFORMATION: 12: G 94, A 2, T 2, C 2
154 <220> FEATURE:
155 <221> NAME/KEY: misc_feature
156 <223> OTHER INFORMATION: 13: G 1, A 1, T 91, C 7
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <223> OTHER INFORMATION: 1: A 90, C 10
164 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
166 <223> OTHER INFORMATION: 14: G 1, A 1, T 7, C 91
169 <220> FEATURE:
170 <221> NAME/KEY: misc_feature
171 <223> OTHER INFORMATION: 15: G 2, A 2, T 2, C 94
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <223> OTHER INFORMATION: 16: A 80, T 20
179 <220> FEATURE:
180 <221> NAME/KEY: misc_feature
181 <223> OTHER INFORMATION: 17: G 6, A 90, T 2, C 2
184 <220> FEATURE:
185 <221> NAME/KEY: misc_feature
186 <223> OTHER INFORMATION: 18: G 2, A 2, T 94, C 2
189 <220> FEATURE:
190 <221> NAME/KEY: misc_feature
191 <223> OTHER INFORMATION: 19: G 5, A 91, T 4
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <223> OTHER INFORMATION: 20: G 96, C 94
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <223> OTHER INFORMATION: 21: G 4, T 5, C 91
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature
206 <223> OTHER INFORMATION: 22: G 4, C 96
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <223> OTHER INFORMATION: 23: G 94, C 3, T 3
214 <220> FEATURE:
215 <221> NAME/KEY: misc_feature
216 <223> OTHER INFORMATION: 6: G 91, A 3, T 3, C 3
219 <220> FEATURE:
220 <221> NAME/KEY: misc_feature
221 <223> OTHER INFORMATION: 5: G 2, A 13, T 4, C 81
224 <220> FEATURE:
225 <221> NAME/KEY: misc_feature
226 <223> OTHER INFORMATION: 4: G 2, A 4, T 5, C 89

*add <222> and
response to each

<220> - <223> section*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,819

DATE: 06/18/2001

TIME: 16:21:20

Input Set : A:\5559.ST25.txt

Output Set: N:\CRF3\06182001\I856819.raw

229 <220> FEATURE:
 230 <221> NAME/KEY: misc_feature
 231 <223> OTHER INFORMATION: 5: G 2, A 13, T 4, C 81
 234 <220> FEATURE:
 235 <221> NAME/KEY: misc_feature
 236 <222> LOCATION: (64)..(64)
 237 <223> OTHER INFORMATION: 3: A 25, T 75
 240 <220> FEATURE:
 241 <221> NAME/KEY: misc_feature
 242 <222> LOCATION: (62)..(62)
 243 <223> OTHER INFORMATION: 4: G 2, A 4, T 5, C 89
 246 <220> FEATURE:
 247 <221> NAME/KEY: misc_feature
 248 <222> LOCATION: (61)..(61)
 249 <223> OTHER INFORMATION: 3: A 25, T 75
 252 <220> FEATURE:
 253 <221> NAME/KEY: misc_feature
 254 <223> OTHER INFORMATION: @: G 3, A 91, T 3, C 3
 257 <400> SEQUENCE: 8
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 W--> 260 nnnnnnsnnc nannnsnnnn nnnntnnenn gaagtaccat aggtgcgcag ngatatccgg 120
 263 <210> SEQ ID NO: 9
 264 <211> LENGTH: 117
 265 <212> TYPE: DNA
 (OK) 266 <213> ORGANISM: Artificial
 268 <220> FEATURE:
 269 <223> OTHER INFORMATION: Primer
 271 <220> FEATURE:
 272 <221> NAME/KEY: misc_feature
 273 <223> OTHER INFORMATION: 8: A 92, T 8
 276 <220> FEATURE:
 277 <221> NAME/KEY: misc_feature
 278 <223> OTHER INFORMATION: 23: G 94, C 3, T 3
 281 <220> FEATURE:
 282 <221> NAME/KEY: misc_feature
 283 <223> OTHER INFORMATION: 9: A 97, T 3
 286 <220> FEATURE:
 287 <221> NAME/KEY: misc_feature
 288 <223> OTHER INFORMATION: 10: G 1, A 1, T 1, C 97
 291 <220> FEATURE:
 292 <221> NAME/KEY: misc_feature
 293 <223> OTHER INFORMATION: 11: G 1, A 97, T 1, C 1
 296 <220> FEATURE:
 297 <221> NAME/KEY: misc_feature
 298 <223> OTHER INFORMATION: 12: G 94, A 2, T 2, C 2
 301 <220> FEATURE:
 302 <221> NAME/KEY: misc_feature
 303 <223> OTHER INFORMATION: 13: G 1, A 1, T 91, C 7
 306 <220> FEATURE:

Add 2227 and response
 to each 2207-2237
 section

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/856,819

DATE: 06/18/2001

TIME: 16:21:20

Input Set : A:\5559.ST25.txt

Output Set: N:\CRF3\06182001\I856819.raw

```

307 <221> NAME/KEY: misc_feature
308 <223> OTHER INFORMATION: 1: A 90, C 10
311 <220> FEATURE:
312 <221> NAME/KEY: misc_feature
313 <223> OTHER INFORMATION: 14: G 1, A 1, T 7, C 91
316 <220> FEATURE:
317 <221> NAME/KEY: misc_feature
318 <223> OTHER INFORMATION: 15: G 2, A 2, T 2, C 94
321 <220> FEATURE:
322 <221> NAME/KEY: misc_feature
323 <223> OTHER INFORMATION: 16: A 80, T 20
326 <220> FEATURE:
327 <221> NAME/KEY: misc_feature
328 <223> OTHER INFORMATION: 17: G 6, A 90, T 2, C 2
331 <220> FEATURE:
332 <221> NAME/KEY: misc_feature
333 <223> OTHER INFORMATION: 18: G 2, A 2, T 94, C 2
336 <220> FEATURE:
337 <221> NAME/KEY: misc_feature
338 <223> OTHER INFORMATION: 19: G 5, A 91, T 4
341 <220> FEATURE:
342 <221> NAME/KEY: misc_feature
343 <223> OTHER INFORMATION: 20: G 96, C 4
346 <220> FEATURE:
347 <221> NAME/KEY: misc_feature
348 <223> OTHER INFORMATION: 21: G 4, T 5, C 91
351 <220> FEATURE:
352 <221> NAME/KEY: misc_feature
353 <223> OTHER INFORMATION: 22: G 4, C 96
356 <400> SEQUENCE: 9
357 gtaagcgtga cataactaat tacatcatgc ggccctotag agtcgaccca gccgcgcgcgc 60
W--> 359 gcactacnan nnsnnnnnnn ntncnngaa gtaccatagg tgcgcagnga tatccgg 117
362 <210> SEQ ID NO: 10
363 <211> LENGTH: 120
364 <212> TYPE: DNA
365 <213> ORGANISM: Artificial
367 <220> FEATURE:
368 <223> OTHER INFORMATION: Primer
370 <220> FEATURE:
371 <221> NAME/KEY: misc_feature
372 <223> OTHER INFORMATION: 1: A 90, C 10
375 <220> FEATURE:
376 <221> NAME/KEY: misc_feature
377 <223> OTHER INFORMATION: 2: G 3, A 91, T 3, C 3
380 <220> FEATURE:
381 <221> NAME/KEY: misc_feature
382 <223> OTHER INFORMATION: 3: A 25, T 75
385 <220> FEATURE:
386 <221> NAME/KEY: misc_feature

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*add <222> to each
<220>-<223>
section*

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/856,819

DATE: 06/18/2001

TIME: 16:21:21

Input Set : A:\5559.ST25.txt

Output Set: N:\CRF3\06182001\I856819.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application Number
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:30 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:42 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:54 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:66 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:78 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:90 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:102 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:114 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:266 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:359 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:365 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:511 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:513 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:519 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:533 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:547 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:561 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14